



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



CABLE, ELECTRIC, RADIATION-CROSSLINKED, EXTRUDED, MODIFIED, FLUOROPOLYMER-INSULATED,
ONE CONDUCTOR, SHIELDED, JACKETED, LIGHTWEIGHT

25APR11
Revision A1

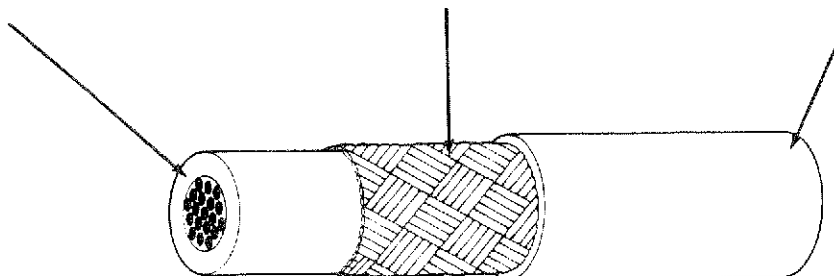
150°C

The complete requirements for procuring the cable described herein shall consist of this document and the issue in effect of Raychem Specification 55A.

COMPONENT WIRE - 55A0111

SHIELD - TIN-COATED COPPER

JACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE



PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (in.)		OUTSIDE DIAMETER (in.)		MAXIMUM WEIGHT (lb/1000 ft)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
			55A1111-30-*	30	38	.006	
55A1111-28-*	28	38	.006	.008	.060	.065	3.9
55A1111-26-*	26	38	.006	.008	.065	.070	4.6
55A1111-24-*	24	38	.006	.008	.070	.075	5.5
55A1111-22-*	22	38	.006	.008	.076	.081	6.9
55A1111-20-*	20	38	.006	.008	.084	.089	9.0
55A1111-18-*	18	38	.006	.008	.094	.099	12.0
55A1111-16-*	16	38	.006	.008	.102	.108	14.6
55A1111-14-*	14	38	.006	.008	.119	.125	20.4
55A1111-12-*	12	38	.006	.008	.137	.143	28.5
55A1111-10-*	10	38	.006	.008	.161	.169	42.1
55A1111-8-*	8	38	.007	.009	.223	.234	74.2

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C
 Maximum continuous conductor temperature
 VOLTAGE RATING: 600 volts (rms)
 ACCELERATED AGING: 300 ± 3°C for 7 hours
 BLOCKING: 200 ± 3°C for 6 hours
 DIELECTRIC WITHSTAND: 1500 volts, 60 Hz
 FLAMMABILITY:
 Procedure 1, 3 seconds (maximum); 3 in. (maximum);
 no flaming of facial tissue
 JACKET COLOR: White preferred
 JACKET ELONGATION AND TENSILE STRENGTH:
 Elongation, 50% (minimum)
 Tensile Strength, 5000 psi (minimum)
 JACKET FLAWS:
 Spark Test, 1000 volts, 60 Hz (rms), 100% test
 Impulse Dielectric Test, 6.0 kV (peak), 100% test
 LIFE CYCLE: 200 ± 3°C for 168 hours

LOW TEMPERATURE-COLD BEND: -65 ± 2°C for 4 hours
 SHIELD COVERAGE: 85% (minimum)
 THERMAL SHOCK: 300 ± 3°C for 6 hours
 VOLTAGE WITHSTAND TEST: (After Accelerated Aging,
 Immersion, Life Cycle, Low Temperature-Cold Bend,
 and Thermal Shock) 1000 volts, 60 Hz, 1 minute

PART NUMBER:
 The "*" in the part numbers above shall be replaced by
 color code designators in accordance with MIL-STD-681
 with a dash separating the component wire color from
 the jacket color.
 Example:
 AWG 20, white component wire, white jacket:
 55A1111-20-9-9.

NOTE: Nominal values are for information only.
 Nominal values are not requirements.

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
 REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

TE TE Connectivity
 Tyco Electronics Corporation
 Raychem Wire and Cable
 300 Constitution Drive, Menlo Park, California 94025-1165
 415 361 3333 TWX 910 373 1728